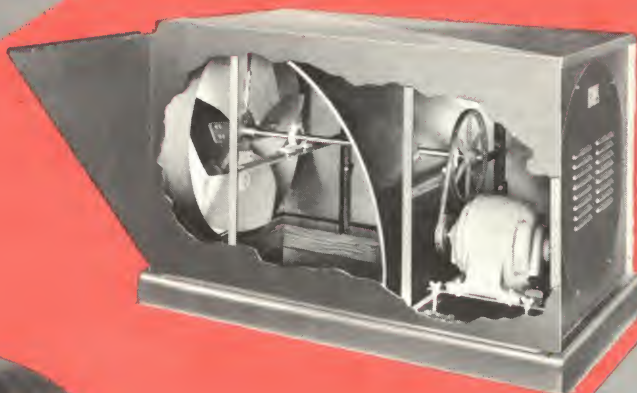


ROMLAIR®

**VENTILATORS
FANS
EXHAUSTERS**



**INDUSTRIAL
COMMERCIAL**

ROMLA CO.

13101 SOUTH MAIN ST., LOS ANGELES, CALIFORNIA

Phone: FAcully 1-3170

Romlair Turbo Ventilator

INTRODUCTION — There are many ventilating devices, each with its own advantages. No single unit can suit all conditions. To make proper selection, it is necessary to compare specifications on each and choose according to its ability to achieve the desired result. Power driven fans, exhausters, gravity or rotary ventilators all warrant consideration in circulating or removing air.

This brochure is offered as a guide to aid in selecting the proper ventilating equipment. Space limitations make it necessary to restrict the data contained herein to basic specifications, engineering and usage information necessary for general application. Technical information and capacities at other than standard conditions are available from our engineering department.

WHY TURBO VENTILATORS — The Romlair Turbo Ventilator is an extremely popular and universally adaptable exhauster. This popularity is due to its clean, low silhouette rugged construction and high capacity. In operation the rotative movement imparted by the wind velocity creates exhaust by mechanical action similar to a backward curved blower wheel. This centrifugal action counteracts resistance and boosts the natural flow of air. Momentum, created by the high peaks of wind velocity, assures a higher, more consistent exhaust pattern than is possible with other gravity ventilators. Turbo ventilators are efficient, impressive and psychologically appealing due to their effortless spinning motion.

COMPARATIVE COST — The Romlair Turbo Ventilator is a high production unit distributed generally in U.S.A. and Canada. Comparable in cost, yet is far superior in both quality and capacity to any shop built vent. A roof base, manufactured to job specifications, will complete the installation. Electrical wiring, power costs and support structures are eliminated, yielding an additional saving when costs are compared with other ventilating devices.

FEATURES — First cost is last cost when Romlair ventilators are installed. Engineered construction provides rugged trouble free ventilators that last for years. Ball bearings are sized to withstand many times the actual thrust loads carried, and are lubrication packed for years of service. Special retainers provide for easy relubrication and exclude foreign matter from the bearing area. Ventilators to 14 inch throat, employ virtually indestructible bearings of long wearing nylon. The resilient nature of this material provides silent, almost frictionless operation without need for relubrication. Fabrication of all hot dipped galvanized sheet material guarantees long life without premature rust or corrosion under all weather conditions. Additional protection is afforded by attractive soft green metallic enamel finish.

SMOOTH AND QUIET — Romlair Turbo Ventilators are weather-proof and run "free as the breeze" without sound. Careful factory balance and alignment assures true, vibrationless operation when installed according to factory recommendation.



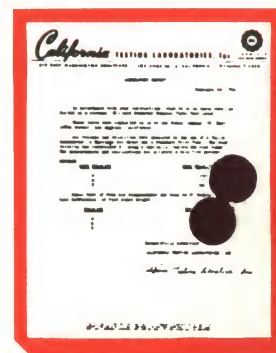
ENGINEERING DATA

MODEL	EXHAUST CAPACITY IN C.F.H.		GAUGE GALV.	HEIGHT INCHES	WIDTH INCHES
	4 MPH *	8 MPH *			
RR-6	6,014	7,005	26	10½	12½
RR-8	10,690	12,451	26	13	15
RR-10	16,701	19,453	26	14	17½
RR-12	24,050	28,013	24	16	19½
RR-14	32,734	38,128	24	18	21½
RR-16	42,756	49,800	24	19	24½
RR-18	54,108	63,023	24	24	27
RR-20	66,816	77,825	24	26	31
RR-24	96,213	112,064	24-22	34	38
RR-30	150,322	175,987	24-22	37	46
RR-36	216,465	252,127	22-20	46	52
RR-42	294,611	343,148	22-20	50	60
RR-48	383,077	448,189			

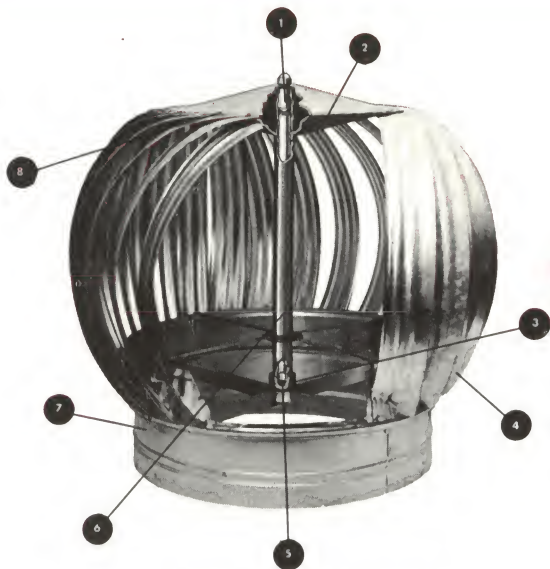
* The above ratings are calculated, in cubic feet per hour, from certified tests at 4 MPH and 8 MPH wind velocity, 10' stack height and 20° temperature difference. There are many other factors affecting the performance of gravity ventilators, such as allowances for air displacement, resistance of air intake or duct work, and obstructions near ventilator affecting wind flow. It is suggested that the above ratings should be used as a guide in selecting the proper size ventilator.

CERTIFIED TESTS

Certified velocities from laboratory test prove Romlair Turbo Ventilators high efficiency. Report from California Testing Laboratory attests to results obtained under controlled wind tunnel testing. Recognizing the impossibility of duplicating field conditions in laboratories, these results are offered as a reference only. Romla Company guarantees its ratings to equal or surpass any similar ventilator operating under equal conditions.



the ventilator with all the "plus" features



FEATURES

1. Heavy duty ball bearings, sizes 16 to 48, self-lubricating nylon on smaller sizes.
2. Double cap assures permanent alignment and stability under severest conditions.
3. Locked on rotor mechanism prevents loss or damage in high winds, easily removable.
4. Corrugated die pressed vanes provide more strength, stability and uniformity.
5. Oil impregnated sintered radial bearings assure quiet operation and longer life.
6. Sealed bearing housing excludes dust, grit and foreign matter, and retains lubricant.
7. Hot dipped galvanized sheet per federal specification number QQ 1716-2, class D1.
8. Finish coat of soft green metallic enamel provides eye appeal plus greater protection.

HOW TO SPECIFY

1. Obtain room volume . . . (width x length x height)
2. Multiply by selected air change per hour.
3. Divide by number of ventilators — recommended spacing 20' apart along high part of roof.
4. Select proper size from exhaust capacities.

Example: A factory building 100' x 50' x 16' high, 80,000 cubic feet. Air change selected from chart is four per hour. $80,000 \times 4 = 320,000$ divided by five ventilators = 64,000 cubic feet per hour required. Selection of five RR-20 would be indicated.

RECOMMENDED AIR CHANGES PER HOUR

Auditoriums	8	Laundries	10-30
Attics	10-30	Machine Shops	6-12
Factories	4-10	Offices	8
Foundries	10-30	Schools	8
Garages	10-30	Toilets	10-15
Gymnasiums	6-12	Warehouses	4- 6

ACCESSORIES

Bases — Roof bases are weatherproof support flashings precision manufactured in four basic types to fit any roof. Fabricated of heavy gauge galvanized steel, or material as specified, to the dimensions shown on chart. May be

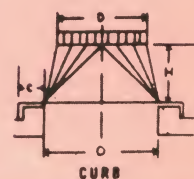
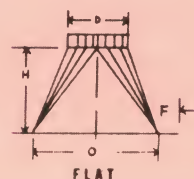
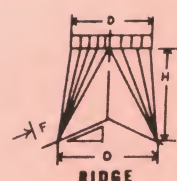
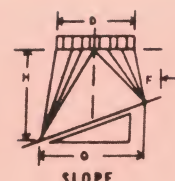
supplied with lead flashing for installation on corrugated roofing. Factory finished to match other Romlaair products. Base type and roof pitch must be provided.

Dampers — Disc or butterfly dampers may be furnished with any ventilator for seasonal closure. Center pivoted, counterweighted disc damper is housed within a short duct. May be adjusted to any degree of closure by operating chain and catch.

Butterfly dampers, hinged half discs housed in a short duct section are available either normally open or normally closed. All units provided with 6' of operating chain, additional chain, pulleys and fusible links available as required. Finished to match other products. For damper control on fan equipment refer to automatic or motorized shutters on page 12.

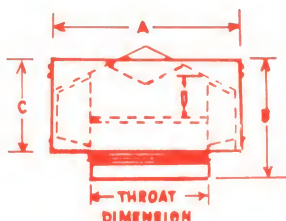
Screens — Bird screens may be supplied as an option on any Romlaair product. Half inch mesh galvanized screen, or material as specified, is installed in ventilator throat or fan exhaust opening. Galvanized insect screen can be provided on any non-powered ventilator.

DIMENSIONS — ROMLAIR ROOF BASES						
MODEL	D	O	H	C	F	GAUGE
B-6	6	10 x 10	6	2	5	26
B-8	8	12 x 12	6	2	5	26
B-10	10	14 x 14	7	2	5	26
B-12	12	16 x 16	7	2	5	26
B-14	14	18 x 18	8	2	5	26
B-16	16	20 x 20	8	2	5	26
B-18	18	22 x 22	9	2	5	26
B-20	20	24 x 24	9	2	5	24
B-24	24	30 x 30	11	2	5	24
B-30	30	36 x 36	13	2	5	22
B-36	36	42 x 42	15	2	5	22
B-42	42	48 x 48	20	2	5	20
B-48	48	54 x 54	20	2	5	20



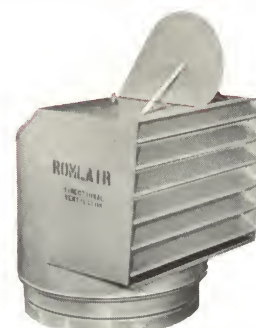
ROMLAIR

GRAVITY VENTILATORS



ROMLAIR STATIONARY VENTILATOR

The Romlair Stationary Ventilator is a moderately priced, rigidly braced, weatherproof ventilator carefully engineered to provide ample free area for unrestricted flow of exhaust air. Simplified construction ensures efficient operation as a gravity ventilator or as a discharge head for a power fan. Fabricated in sizes 6" to 60" of galvanized steel, aluminum, or protected metal. Order with deflector cone when used with a fan.



ROMLAIR DIRECTIONAL VENTILATOR

An efficient, rugged, economical product of unusual sensitivity, endurance and pleasing appearance. Appropriately contoured and balanced to prevent over-travel. This exceptionally high quality syphonage type ventilator employs a fixed fin to direct the exhaust opening away from prevailing winds. Successfully used to stop backdraft on balky chimneys, stacks and exhaust openings. Must be equipped with optional airstream straightener section when used with propeller fan equipment.

ROMLAIR STATIONARY VENTILATOR						
MODEL	CAPACITY CFM *		DIMENSIONS			GAUGE MAT.
	5 MPH	10 MPH	A	B	C	
RS-6	75	112	10	7½	4½	26
RS-8	134	198	13	9½	6	26
RS-10	209	310	16	10	7½	26
RS-12	302	446	19	12	8½	26
RS-14	410	607	22	14½	9½	26
RS-16	536	821	25¼	16½	11	24
RS-18	679	1004	28¾	19	12	24
RS-20	838	1239	32	20	13½	24
RS-24	1207	1785	38	24	16	22
RS-30	1885	2788	48	30	20	22
RS-36	2714	4015	56½	35	24	22
RS-42	3694	5465	65½	41	28	20
RS-48	4804	7106	75	45	32	20

* Calculated at 10° temp. diff. and 30' stack height.

ROMLAIR DIRECTIONAL VENTILATOR						
MODEL	CAPACITY CFM *		DIMENSIONS		GAUGE MATERIAL	
	5 MPH	10 MPH	HEIGHT	WIDTH		
DV-12	270	385	15	14	26	
DV-14	369	462	17	16	26	
DV-16	452	691	20	18	24	
DV-18	612	775	22	20	24	
DV-20	735	1090	24	22	24	
DV-24	1195	1585	29	27	22	
DV-30	1675	2473	36	33	22	

* Calculated at 10° temp. diff. — 30' stack.

The Romlair Ridgette is a packaged, rectangular low silhouette exhauster which utilizes the same high volume exhaust principles as its brother, the Romlair Continuous Ridge Ventilator. This weatherproof, stormproof exhauster is manufactured in two throat widths, in lengths as listed below, of galvanized steel, aluminum or protected metal. Adaptable for mounting on ridge, flat, slope or curb type installations. Butterfly dampers, bird and insect screens are available as optional accessories.

ROMLAIR RIDGETTE

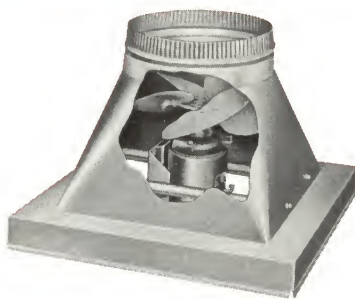


RIDGETTE DIMENSIONS								
MODEL NO.	CAPACITY CFM *		THROAT AREA SQ. FT.	DIMENSIONS				
	4 MPH	8 MPH		Throat Open'g	Roof Open'g	O.D. Curb Flange	Overall Width	Hgt.
RV-1404	1238	2061	4.5	14x46	20x46	24x50	29	23
RV-1406	1870	3114	6.8	14x70	20x70	24x74	29	23
RV-1410	3135	5221	11.4	14x118	20x118	24x122	29	23
RV-2408	4318	7191	15.7	24x94	29x94	33x98	48	35

* CALCULATED AT 10' STACK AND 20° TEMP. DIFF.

FOR INFORMATION ON ROMLAIR CONTINUOUS RIDGE VENTILATOR SEE BULLETIN #RCV 610.

POWER FANS



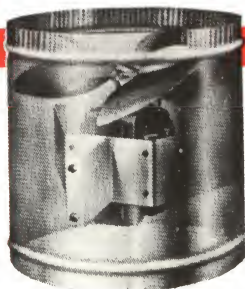
ROMLAIR BASE MOUNT FAN

ROMLAIR BASEMOUNT FAN

Romlair Basemount Fan is a power fan assembly within a base, which may be used with any ROMLAIR ventilator of comparable throat size, to provide a complete multi-purpose power roof ventilator. This combination can provide continuous 24 hour a day gravity exhaust for normal ventilation requirements, or high efficiency power exhaust for periods of extreme heat or air contamination.

This assembly features high capacity aluminum propellers driven by totally enclosed low speed motors, resiliently mounted within a tapered roof base. This design, acting as a bell-mouth nozzle, minimizes turbulence and ensures increased efficiency and higher capacity. A quiet, effective fan unit, adaptable to many commercial ventilating problems encountered in schools, markets, stores or restaurants.

Designed for installation on roof curb, also fabricated to order for mounting on ridge or slope. Automatic, manual or motorized shutters may be installed in curb below the fan unit to provide closure. Full information on shutters shown on Page 12.



ROMLAIR DUCT FAN

ROMLAIR DUCT FAN

Romlair Duct Fan is a dual purpose booster unit which provides an economical means of adding power exhaust to existing roof ventilators without extensive alterations. Easily installed between weathercap and base without special tools, requires no cutting or fitting.

Free wheeling fan action prevents blockage of normal air flow when power is off. Yet this powerful booster can increase gravity flow up to 500% during wind lulls. Usable in any commercial application where increased air flow is required.

Quiet, deep pitch, high capacity aluminum propellers are driven by low speed, totally enclosed, sleeve bearing fan motors, resiliently mounted within a short duct section. Romlair Duct Fans are fabricated of heavy gauge, rust resistant galvanized steel, beaded for rigidity, and attractively finished in metallic green enamel.

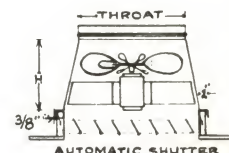
RBM — ROMLAIR BASEMOUNT FAN

MODEL NO.	CAPACITY IN CFM ‡			H.P.	FAN RPM	HOUSING DIMENS.			
	0" SP	1/8" SP	1/4" SP			TIP SPEED	CURB ID	CURB OD	HT.
RBM-81	305	202	150	1/70	1500	3140	12x12	16x16	8
RBM-82	368	253	220	1/40	1500	3140	12x12	16x16	8
RBM-101	540	460	310	1/40	1500	3930	14x14	18x18	9 1/2
RBM-102	780	665	487	1/20	1500	3930	14x14	18x18	9 1/2
RBM-121	980	920	780	1/20	1500	4740	16x16	20x20	10 1/2
RBM-122	1285	1160	985	1/10*	1500	4740	16x16	20x20	10 1/2
RBM-141	1110	1040	960	1/20	1500	5500	18x18	22x22	12
RBM-142	1535	1450	1330	1/10*	1500	5500	18x18	22x22	12
RBM-161	1790	1700	1580	1/10*	1500	6280	20x20	24x24	13
RBM-162	2160	2000	1485	1/8	1140	4770	20x20	24x24	13
RBM-181	2280	2150	1830	1/8	1140	5380	22x22	26x26	15
RBM-182	2660	2490	2140	1/6	1140	5380	22x22	26x26	15
RBM-183	3040	2830	2450	1/4	1140	5380	22x22	26x26	15
RBM-201	2710	2580	2220	1/6	1140	5960	24x24	28x28	16
RBM-202	3180	3050	2830	1/4	1140	5960	24x24	28x28	16
RBM-203	3580	3470	3240	1/3	1140	5960	24x24	28x28	16
RBM-241	4440	4130	3830	1/3	1140	7160	30x30	34x34	18
RBM-242	5250	4990	4750	1/2	1140	7160	30x30	34x34	18
RBM-243	6220	6065	5660	3/4	1140	7160	30x30	34x34	18
RBM-301	7200	6490	5700	1/2	860	6650	36x36	40x40	18
RBM-302	8600	7920	7240	1/2	860	6650	36x36	40x40	18
RBM-303	9550	8600	7600	3/4	1140	8950	36x36	40x40	18
RBM-304	11400	10500	9600	1	1140	8950	36x36	40x40	18
RBM-361	12250	10900	9300	3/4	860	8100	42x42	46x46	20
RBM-362	14500	13450	11900	1	860	8100	42x42	46x46	20
RBM-363	16300	15200	14100	1 1/2	1140	10750	42x42	46x46	20
RBM-364	19400	18600	17100	3	1140	10750	42x42	46x46	20

* 1/10 HP 1500 RPM available only as open motor.

FEATURES

- QUIET OPERATION
- LOW INSTALLED COST
- HIGH CAPACITY
- LOW SPEED MOTOR



RDF — ROMLAIR DUCT FAN

MODEL NO.	CAPACITY IN CFM ‡			H.P.	FAN RPM	TIP SPEED	HOUSING DIM		
	0" SP	1/8" SP	1/4" SP				PROP SIZE	DIA.	LGTH.
RDF-81	240	158	118	1/70	1500	2910	7 3/8	8	10
RDF-82	303	208	182	1/40	1500	2910	7 3/8	8	10
RDF-101	443	377	254	1/40	1500	3690	9 3/8	10	10
RDF-102	640	545	406	1/20	1500	3690	9 3/8	10	10
RDF-121	823	772	655	1/20	1500	4460	11 3/8	12	12
RDF-122	1085	975	840	1/10*	1500	4460	11 3/8	12	12
RDF-141	980	920	780	1/20	1500	4710	12	14	12
RDF-142	1285	1160	985	1/10*	1500	4710	12	14	12
RDF-161	1350	1125	790	1/20	1050	3850	14	16	15
RDF-162	1535	1450	1330	1/10*	1500	5500	14	16	15
RDF-181	1790	1700	1580	1/10*	1500	6280	16	18	18
RDF-182	2160	2000	1485	1/8	1140	4770	16	18	18
RDF-201	2280	2150	1830	1/8	1140	5380	18	20	18
RDF-202	2660	2490	2140	1/6	1140	5380	18	20	18
RDF-203	3040	2830	2450	1/4	1140	5380	18	20	18
RDF-241	2710	2580	2220	1/6	1140	5960	20	24	18
RDF-242	3180	3050	2830	1/4	1140	5960	20	24	18
RDF-243	3580	3470	3240	1/3	1140	5960	20	24	18
RDF-301	4960	4420	3520	1/2	860	6300	28	30	24
RDF-302	6190	5590	4800	1/2	860	6300	28	30	24
RDF-303	6650	6260	5800	3/4	1140	8350	28	30	24
RDF-361	7200	6490	5700	1/2	860	7600	30	36	24
RDF-362	8600	7920	7240	1/2	860	7600	30	36	24
RDF-363	9550	8600	7600	3/4	1140	9800	30	36	24

* 1/10 HP 1500 RPM available only as open motor.

‡ Sizes 30 through 48 Basemount Fans and Duct Fans are also available in belt driven models for industrial application. Specifications available on request. Fan Capacities are based on tests made in accordance with NEMA Code FM 1-7.02.

Romla Company, Los Angeles

ROMLAIR

L-BLOW EXHAUSTER

**FOR HIGH LEVEL PERFORMANCE
AND TROUBLE-FREE OPERATION SPECIFY**

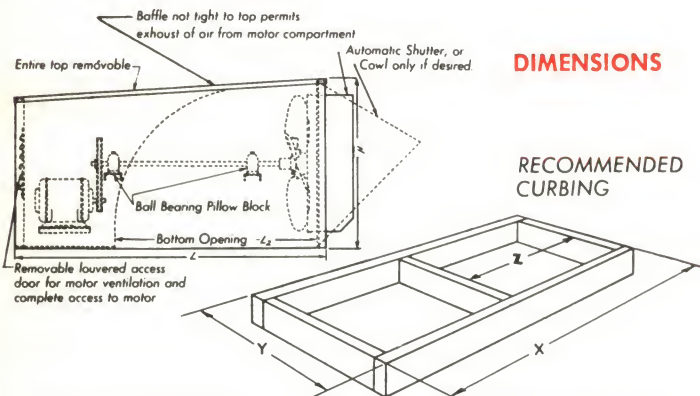
L-Blow[®] ROOF EXHAUSTER

Far superior in design, material and construction to the conventional packaged roof ventilator. Wider range of models plus all new LBA series, now equipped with new sparkproof aluminum alloy high speed propeller. These familiar isolated motor drive fans are effective in exhausting against the resistance of kitchen exhaust hoods or industrial processing and drying systems. LBS models especially designed for quiet operation, with wide-blade, slow-speed steel propellers, are ideal for most commercial and industrial ventilating problems.

All motors fully isolated from contact with grease, dirt, explosive or corrosive fumes. Two-compartment design provides this important safety feature plus easier access for adjustment and servicing. All ventilators of heavy-gauge, galvanized steel, deep fan shrouds, weatherproof hood protection. Attractive gray enamel "no weathering" finish. Automatic shutters for complete closure, and acid-resistant coatings available.

SELECTION OF FAN SIZES

Industrial ventilation is not always adequately provided when selected on an air change basis alone. General ventilation might be based on a 5 to 10 minute air change and be satisfactory if no contamination of heat, fumes, or spray paint particles are present. Paint spray booths are calculated on 100 to 150 C.F.M. per square feet of booth face, unless industrial rules require more. Restaurant hoods require from 100 to 150 C.F.M. of hood area, with a check of about 250 C.F.M. for the heat producing surface. (Use the greater value.) Chemical and processing vats with steam present range from 100 to 250 C.F.M. per square foot area of surface. Consult our engineering department for specific recommendations on fan sizes.



DIMENSIONS

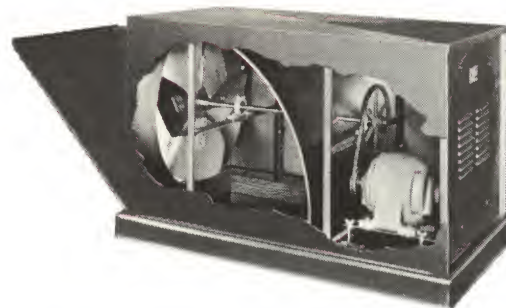
RECOMMENDED CURBING

SIZE	EXHAUSTER					CURB		
	L	H	W	L2		X	Y	Z
12	31	16	16	16	32	19	16	
14	34	18	18	18	35	21	18	
16	36	20	20	20	37	23	20	
18	40	22	22	22	41	25	22	
20	42	24	24	24	43	27	24	
24	48	28	28	28	49	31	28	
30	56	34	34	34	57	37	34	
36	64	42	42	42	65	45	42	
42	70	48	48	48	71	51	48	
48	76	54	54	54	77	57	54	

ACCESSORIES

Heavy gauge galvanized steel curb with counterflashing provides leak-proof installation on wood or steel decking. Factory fabricated to precise dimensions at moderate cost. Standard for flat deck, can be supplied for pitched roofs on order.

Leg supports and/or mounting legs for mounting L-Blow Exhauster above roof supplied as mounting kit at extra cost. Adapters to round pipe available to order.



FOR . . . Restaurant Kitchens, Plating and Anodizing Tanks, Spray Booths, Paint Rooms, Hot Dipping Operations, Welding Shops, Excess Heat from Furnaces, Laundry Steam, Barbecue Pits, Foundries, Forges, Stereotyping Hoods, Chemical Fume Hoods (non-corrosive steel), Cleaning Plants, Hot Dip Galvanizing, All Types of General Ventilation.



LBA — ALL PURPOSE EXHAUSTER

MODEL NO.	EXHAUST					CAPACITY IN CFM	HP	FAN RPM	TIP SPEED	SIZE
	0" SP	1/8" SP	1/4" SP	3/8" SP	1/2" SP					
LBA-121	1280	1160	965	.....	.....	1/4	1500	4710	12	
LBA-122	1470	1375	1250	.....	.....	1/4	1725	5420		
LBA-141	1900	1760	1610	1520	.....	1/4	1500	5480	14	
LBA-142	2180	2090	1975	1800	.....	1/2	1725	6300		
LBA-161	2350	2150	1500	1250	1000	1/4	1050	4400	16	
LBA-162	2700	2500	2160	1510	1290	1/2	1200	5030		
LBA-163	3260	3010	2620	1910	1670	1/2	1450	6100		
LBA-181	3440	3200	2800	1850	1550	1/2	1050	4940	18	
LBA-182	3920	3660	3350	2320	2000	1/2	1200	5550		
LBA-183	4370	4060	3720	2630	2360	3/4	1340	6300		
LBA-201	3980	3650	3380	2230	1910	1/2	930	4870	20	
LBA-202	4510	4200	3860	3100	2400	1/2	1050	5500		
LBA-203	5150	4840	4520	4100	2860	3/4	1200	6300		
LBA-241	5800	5370	4890	3260	3000	1/2	795	5000	24	
LBA-242	6650	6160	5630	5250	3660	3/4	915	5750		
LBA-243	7440	7040	6580	6250	5600	1	1020	6550		
LBA-301	8700	7880	6850	5100	4150	3/4	650	5200	30	
LBA-302	9600	8850	8000	7250	5100	1	720	5680		
LBA-303	10800	10200	9290	8650	7750	1 1/2	800	6300		
LBA-361	14800	13350	11720	9850	5500	1	870	8200	36	
LBA-362	17000	15800	14500	13120	11330	1 1/2	1000	9430		
LBA-363	19800	18550	17440	16200	14700	3	1255	10960		
LBA-421	21200	19300	17300	14950	11800	1 1/2	782	8570	42	
LBA-422	23350	21600	19700	17750	15600	2	861	9440		
LBA-423	26700	25200	23600	22000	20000	3	985	10800		
LBA-481	27500	25150	22600	19950	15800	2	689	8660	48	
LBA-482	31800	29750	27600	25300	22650	3	790	9930		
LBA-483	35200	33400	31800	30000	28300	5	875	11200		

LBS — SLOW SPEED COMMERCIAL EXHAUSTER

LBS-241	4880	4150	2750	.....	.....	1/4	690	4340	24	
LBS-242	5600	4970	4060	2900	.....	1/2	795	4990		
LBS-243	6320	5760	5140	3790	3200	3/4	900	5650		
LBS-301	6610	4700	3100	.....	.....	1/4	480	3770	30	
LBS-302	7700	6320	4240	3980	.....	1/2	560	4400		
LBS-303	8600	7480	5650	4800	4100	3/4	630	4950		
LBS-361	9600	6800	4350	.....	.....	1/4	390	3250	36	
LBS-362	11250	9260	6160	4400	.....	1/2	460	3670		
LBS-363	12350	10600	7530	5950	5200	1	500	4330		
LBS-421	11500	9050	4950	.....	.....	1/2	305	3350	42	
LBS-422	14400	12200	7950	5900	.....	1	380	4180		
LBS-423	16580	14720	9400	8600	7650	1 1/2	440	4840		
LBS-481	15100	10500	7000	.....	.....	3/4	280	3520	48	
LBS-482	16700	13300	8650	6500	.....	1	305	3830		
LBS-483	19000	16400	10900	8900	7950	1 1/2	350	4400		

NOTE: Fan capacities are based on tests made in accordance with NEMA Code FM 1-7.02.

AIRWAVE RING FANS

Airwave Ring Fans are high quality commercial and industrial propeller fans available in two series — ARF Direct Drive, and ARB Belt Drive. Each series features efficient, quiet air impellers and husky electric motors teamed to provide years of trouble free service. Heavy rolled steel angle rings, braced with gracefully curved round bar and formed steel motor bracket are electrically welded into a unit frame of unmatched strength and rigidity.

All motors are resiliently mounted, sleeve bearing with thrust bearing for all angle operation and are specifically designed for fan duty. Thermal overload protection is

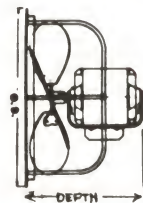
provided on all single phase motors from $\frac{1}{8}$ HP to 1 HP. Totally enclosed motors are standard on direct drive fans except as noted, open motors are standard on belt driven fans.

Each Airwave Fan is attractively finished with weather resisting gray enamel. All units are given a careful running test and are packaged individually in heavy cartons. We guarantee this equipment for one year against electrical and mechanical defect when installed on the correct voltage and frequency.



AIR WAVE

**DIRECT
CONNECTED FANS**

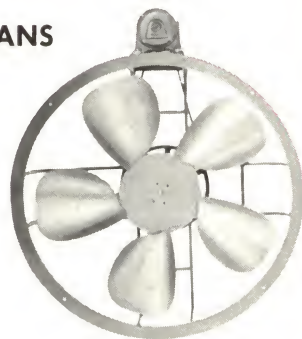


ARF — AIRWAVE DIRECT CONNECTED RING FANS

MODEL NO.	CAPACITY CFM ‡		HP	FAN RPM	TIP SPEED	RING O.D.	RING I.D.	FAN DEPTH
	0" SP	$\frac{1}{8}$ " SP						
ARF-101	780	665	1/20	1500	3930	12 $\frac{3}{4}$	10 $\frac{3}{4}$	9 $\frac{1}{8}$
ARF-121	980	920	1/20	1500	4740	14 $\frac{3}{4}$	12 $\frac{3}{4}$	9 $\frac{1}{8}$
ARF-122	1285	1160	1/10*	1500	4740	14 $\frac{3}{4}$	12 $\frac{3}{4}$	10 $\frac{1}{2}$
ARF-141	1110	1040	1/20	1500	5500	17	15	9 $\frac{1}{4}$
ARF-142	1350	1125	1/20	1050	3850	17	15	10 $\frac{1}{4}$
ARF-143	1535	1450	1/10*	1500	5500	17	15	10 $\frac{1}{2}$
ARF-161	1410	1210	1/20	1050	4400	19	17	9 $\frac{1}{4}$
ARF-162	1790	1700	1/10*	1500	6280	19	17	10 $\frac{1}{4}$
ARF-163	2160	2000	$\frac{1}{8}$	1140	4770	19	17	11 $\frac{1}{2}$
ARF-181	2280	2150	$\frac{1}{8}$	1140	5380	21	19	12 $\frac{3}{4}$
ARF-182	2660	2490	1/6	1140	5380	21	19	13 $\frac{1}{4}$
ARF-183	3040	2830	$\frac{1}{4}$	1140	5380	21	19	13 $\frac{3}{4}$
ARF-201	2710	2580	1/6	1140	5960	24	21	14 $\frac{1}{8}$
ARF-202	3180	3050	$\frac{1}{4}$	1140	5960	24	21	14 $\frac{1}{2}$
ARF-203	3580	3470	$\frac{1}{2}$	1140	5960	24	21	14 $\frac{1}{2}$
ARF-241	3630	3260	$\frac{1}{4}$	1140	7190	28	25	14 $\frac{3}{4}$
ARF-242	4440	4130	$\frac{1}{2}$	1140	7190	28	25	15 $\frac{1}{4}$
ARF-243	5250	4990	$\frac{1}{2}$	1140	7190	28	25	16

* 1/10 HP 1500 RPM available only as open motor.

BELTED FANS



ARB — AIRWAVE BELT DRIVE RING FANS

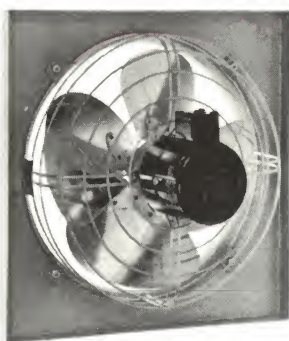
MODEL NO.	CAPACITY CFM ‡		HP*	FAN RPM	TIP SPEED	RING O.D.	RING I.D.	DEPTH FAN
	0" SP	$\frac{1}{8}$ " SP						
ARB-241	4880	4150	$\frac{1}{2}$	690	4340	28	25	21
ARB-242	5600	4970	$\frac{1}{2}$	795	4990	28	25	21
ARB-243	6320	5760	$\frac{3}{4}$	900	5650	28	25	21
ARB-244	6960	6440	1	990	6220	28	25	21
ARB-301	6610	4700	$\frac{1}{2}$	480	3770	34 $\frac{1}{4}$	31 $\frac{1}{4}$	21
ARB-302	7700	6320	$\frac{1}{2}$	560	4400	34 $\frac{1}{4}$	31 $\frac{1}{4}$	21
ARB-303	8600	7480	$\frac{3}{4}$	630	4950	34 $\frac{1}{4}$	31 $\frac{1}{4}$	21
ARB-304	9460	8480	1	690	5420	34 $\frac{1}{4}$	31 $\frac{1}{4}$	23
ARB-361	8500	5000	$\frac{1}{2}$	345	3250	41 $\frac{1}{2}$	37 $\frac{1}{2}$	25
ARB-362	9600	6800	$\frac{1}{2}$	390	3670	41 $\frac{1}{2}$	37 $\frac{1}{2}$	25
ARB-363	11250	9260	$\frac{3}{4}$	460	4330	41 $\frac{1}{2}$	37 $\frac{1}{2}$	25
ARB-364	12350	10600	1	500	4710	41 $\frac{1}{2}$	37 $\frac{1}{2}$	25
ARB-421	11500	9050	$\frac{1}{2}$	305	3350	48	44	25
ARB-422	13250	10600	$\frac{3}{4}$	355	3900	48	44	25
ARB-423	14400	12200	1	380	4180	48	44	25
ARB-424	16580	14720	1 $\frac{1}{2}$	440	4840	48	44	25
ARB-481	15100	10500	$\frac{3}{4}$	280	3520	54	50	25
ARB-482	16700	13300	1	305	3830	54	50	25
ARB-483	19000	16400	1 $\frac{1}{2}$	350	4400	54	50	25
ARB-484	21000	18650	2	385	4840	54	50	25

* Open motors are standard, totally enclosed provided on order.

‡ Fan capacities are based on tests made in accordance with NEMA Code FM 1-7.02.

AUTOMATIC SHUTTERS

Automatic shutters are available in sizes from 10x10 to 48x48 inclusive. Specifications and dimensions are shown on Page 12.



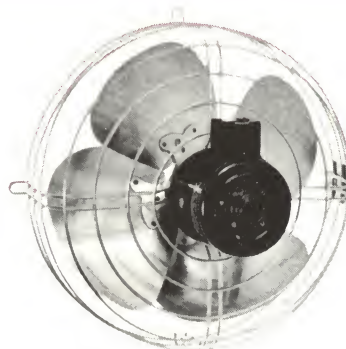
**MODEL AFP
FLEXGUARD PANEL FAN**

Airwave Flexguard propeller fans are quiet operating, low cost yet highly efficient direct drive fans. These fans are manufactured in two series. AFP with panel, and AFF with flexible mount fanguard, in sizes 8" through 16" only. Ideal for mounting in ducts, penthouses, or windows, may be installed directly in wall openings partitions or cabinets. Used to ventilate offices, laboratories, vaults, toilets and storage rooms.

Motors are single speed, fan duty, totally enclosed (except as noted) with sleeve bearings for maximum quietness. Conduit box provided on motor for attachment of permanent wiring. All motors mounted directly on dual purpose resilient guard which provides vibration absorbtion plus a propeller enclosure.

AIRWAVE FLEXGUARD SERIES

for
light duty
applications



**MODEL AFF
FLEXGUARD FAN**

AFP — AIRWAVE FLEXGUARD PANEL FAN								
Model No.	Capacity CFM ‡		HP	Fan RPM	Tip Speed	Panel Size	Panel Open.	Fan Depth
AFP-81	305	202	1/70	1500	3140	12x12	8 1/2	8
AFP-82	368	253	1/40	1500	3140	12x12	8 1/2	8 1/4
AFP-101	540	460	1/40	1500	3930	14x14	10 1/2	8
AFP-102	780	665	1/20	1500	3930	14x14	10 1/2	8 3/4
AFP-121	820	745	1/40	1500	4740	16x16	12 1/2	8
AFP-122	980	920	1/20	1500	4740	16x16	12 1/2	8 3/4
AFP-141	1110	1040	1/20	1500	5500	18x18	14 3/4	9 1/4
AFP-142	1535	1450	1/10*	1500	5500	18x18	14 3/4	10 1/4
AFP-161	1410	1210	1/20	1050	4400	20x20	16 3/4	10 1/4
AFP-162	1790	1700	1/10*	1500	6280	20x20	16 3/4	10 1/2

* 1/10 HP 1500 RPM available only as open motor.
NOTE: For fan without panel, use prefix AFF. (Example: AFF-101.)

AIRWAVE PANEL FAN — DIRECT DRIVE

Airwave Panel Fan is a general purpose, direct drive propeller fan mounted on a square, heavy gauge steel orifice panel. Easily mounted in ducts, wall openings, penthouses and ventilators for exhausting heat or fumes.

Efficient operation under all conditions is assured by a high capacity multiblade impeller located within an aerodynamically designed rolled steel entrance orifice. Statically balanced, deep pitched aluminum propellers are shaft mounted on husky low speed electric motors.

All motors are resiliently mounted, sleeve bearing with thrust bearing for all angle operation, specifically designed for fan duty. Thermal overload protection is provided on all single phase motors 1/8 HP to 1 HP. Totally enclosed motors are standard except as noted.

The entire fan assembly is generously braced and welded into a single unit of unmatched strength and rigidity. Each Airwave Panel Fan is attractively finished with soft green metallic enamel. All units are packaged to arrive in perfect condition.

Automatic and motorized shutters in correct sizes are available as required. Specifications and dimensions are shown on Page 12.



**MODEL
APF**

APF — AIRWAVE PANEL FAN — DIRECT DRIVE								
Model No.	Capacity CFM ‡		HP	Fan RPM	Tip Speed	Panel Size	Panel Open.	Fan Depth
APF-161	1410	1210	1/20	1050	4400	20x20	16 3/4	10 1/4
APF-162	1790	1700	1/10*	1500	6280	20x20	16 3/4	11 1/4
APF-163	2160	2000	1/8	1140	4770	20x20	16 3/4	12 1/2
APF-181	2280	2150	1/8	1140	5380	22x22	18 3/4	12 3/4
APF-182	2660	2490	1/6	1140	5380	22x22	18 3/4	13 1/4
APF-183	3040	2830	1/4	1140	5380	22x22	18 3/4	13 3/4
APF-201	2710	2580	1/6	1140	5960	24x24	20 3/4	14 1/2
APF-202	3180	3050	1/4	1140	5960	24x24	20 3/4	14 7/8
APF-203	3580	3470	1/2	1140	5960	24x24	20 3/4	15 1/4
APF-241	3630	3260	1/4	1140	7190	30 1/2 x 30 1/2	24 7/8	15 1/2
APF-242	4440	4130	1/2	1140	7190	30 1/2 x 30 1/2	24 7/8	15 3/4
APF-243	5250	4990	1/2	1140	7190	30 1/2 x 30 1/2	24 7/8	16 1/4
APF-244	6220	6065	3/4	1140	7190	30 1/2 x 30 1/2	24 7/8	16 3/4

* 1/10 HP 1500 RPM available only as open motor.
‡ Fan capacities are based on tests made in accordance with NEMA Code FM 1-7.02.

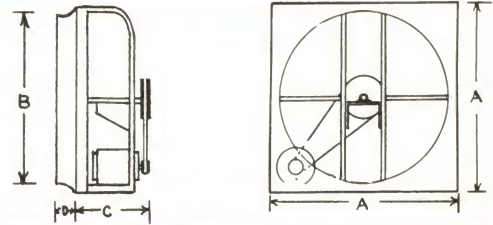
AIRWAVE PANEL FANS

AIRWAVE PANEL FAN — BELT DRIVE



MODEL APB

APPLICATIONS — Airwave Model APB Panel Fan is an economical, quiet operating slow speed exhaustor. It is one of the most flexible of all propeller fans, designed particularly for comfort cooling or general ventilation in commercial or industrial applications. This fan may be used for either exhaust or supply or as an air circulator in certain applications. Usually installation is made in wall openings or roof mounted penthouses. Also installed in short duct runs or gooseneck elbows when minimum static conditions are anticipated. Automatic shutters are available as required. Specifications and dimensions shown on Page 12.



CONSTRUCTION — Airwave Panel Fans are designed as a self contained packaged unit. Heavy gauge steel panel with aerodynamically designed rolled steel orifice provides a main frame of rugged strength and durability. Heavy steel support arms, formed steel bearing brackets, and motor support members are electrically welded to the panel to form a completely rattlefree unit. Sealed ball bearings, lubrication packed for years of service, and high tensile nylon reinforced V-Belts with heavy duty cast iron drives guarantee maintenance free operation. Variable pitch drives are provided to allow speed adjustment to suit job conditions. Deep pitched steel propellers, driven at slow speed provide large air volume at low operating cost. Motors are resiliently mounted, sleeve bearing open, designed for all angle fan operation. Thermal overload protection is provided on all single phase motors to 1 HP. Enclosed motors available when required.

FEATURES — All Airwave Fans are given a careful running test before packaging for shipment. Romla Company guarantees this equipment for one year against electrical and mechanical failure when installed on the correct voltage and frequency and under conditions not exceeding the maximum resistance shown in ratings. Fan capacities are based on tests made in accordance with NEMA Code FM 1-7.02 and should be used as a guide to the performance of the fan under actual operating conditions.

DIMENSIONS

SIZE	24	30	36	42	48
A	30 ³ / ₈ x 30 ³ / ₈	36 ³ / ₈ x 36 ³ / ₈	42 ³ / ₈ x 42 ³ / ₈	48 ³ / ₈ x 48 ³ / ₈	54 ³ / ₈ x 54 ³ / ₈
B	25 ¹ / ₄	31 ¹ / ₂	37 ³ / ₄	43 ¹ / ₂	49 ¹ / ₄
C	15	16	16	22	24
D	3 ³ / ₈	3 ³ / ₄	4 ¹ / ₄	4 ³ / ₄	4 ³ / ₄

APB — AIRWAVE PANEL FAN — BELT DRIVE

MODEL NO.	CAPACITY IN CFM			HP	FAN RPM	TIP SPEED
	0" SP	1/8" SP	1/4" SP			
APB-241	4880	4150	2750	1/3	690	4340
APB-242	5600	4970	4060	1/2	795	4990
APB-243	6320	5760	5140	3/4	900	5650
APB-244	6960	6440	5920	1	990	6220
APB-301	6610	4700	3100	1/3	480	3770
APB-302	7700	6320	4240	1/2	560	4400
APB-303	8600	7480	5650	3/4	630	4950
APB-304	9460	8480	6940	1	690	5420
APB-361	8500	5000	3150	1/3	345	3250
APB-362	9600	6800	4350	1/2	390	3670
APB-363	11250	9260	6160	3/4	460	4330
APB-364	12350	10600	7530	1	500	4710
APB-421	11500	9050	4950	1/2	305	3350
APB-422	13250	10600	6860	3/4	355	3900
APB-423	14400	12200	7950	1	380	4180
APB-424	16580	14720	9400	1 1/2	440	4840
APB-481	15100	10500	7000	3/4	280	3520
APB-482	16700	13300	8650	1	305	3830
APB-483	19000	16400	10900	1 1/2	350	4400
APB-484	21000	18650	13500	2	385	4840



Skyline Exhauster with mounting base

SBE - EXHAUST

SBS - SUPPLY

SRV - RELIEF OR GRAVITY

SBE — SKYLINE ROOF EXHAUSTER

MODEL ° NO.	CAPACITY IN CFM ‡			HP *	FAN RPM	TIP SPEED
	0" SP	1/8" SP	1/4" SP			
SBE-241	4880	4150	2750	1/3	690	4340
SBE-242	5600	4970	4060	1/2	795	4990
SBE-243	6320	5760	5140	3/4	900	5650
SBE-244	6960	6440	5920	1	990	6220
SBE-301	6610	4700	3100	1/3	480	3770
SBE-302	7700	6320	4240	1/2	560	4400
SBE-303	8600	7480	5650	3/4	630	4950
SBE-304	9460	8480	6940	1	690	5420
SBE-361	8500	5000	3150	1/3	345	3250
SBE-362	9600	6800	4350	1/2	390	3670
SBE-363	11250	9260	6160	3/4	460	4330
SBE-364	12350	10600	7530	1	500	4710
SBE-421	11500	9050	4950	1/2	305	3350
SBE-422	13250	10600	6860	3/4	355	3900
SBE-423	14400	12200	7950	1	380	4180
SBE-424	16580	14720	9400	1 1/2	440	4840
SBE-481	15100	10500	7000	3/4	280	3520
SBE-482	16700	13300	8650	1	305	3830
SBE-483	19000	16400	10900	1 1/2	350	4400
SBE-484	21000	18650	13500	2	385	4840

° To specify Supply or Gravity Units insert the prefix SBS or SRV in place of SBE as shown in specifications. (Example: SBS-421 Supply Ventilator.)

‡ Capacities are based on tests made in accordance with Nema Code FM 1-7.02.

* Standard motors are sleeve bearing open, with thermal overload protection on single phase to 1 HP. Enclosed motors available to order.

SPECIFICATIONS

Ventilators shall be Romlair Skyline (Specify Type) Exhaust, Supply or Relief, as manufactured by Romla Company, Los Angeles, Calif. Hood shall be weatherproof and removable, fabricated of galvanized steel or aluminum. Skyline power ventilators shall have one piece rolled steel orifice, with motor and drive components located above the propeller for access from roof. Manually operated, automatic or motor operated shutters shall be provided where shown on plan.

SKYLINE ROOF EXHAUSTER

The Skyline Series is the most versatile of the ROMLAIR products. The same low silhouette design is used on all units. Power exhausters may be specified for use with either power supply or gravity or intake ventilators as matching combinations. In addition, these units may be easily field converted from one usage to another if requirements change.

MODEL SBE — The Skyline Belt-Drive Exhauster is a low cost, packaged, power ventilator for roof mounting where low silhouette and quiet operation is mandatory. Wide blade propellers at low tip speeds are employed to exhaust large volumes of hot air or noxious fumes at low velocities where minimum static conditions are anticipated.

MODEL SBS — The Skyline Belt-Drive Supply Ventilator features the same quiet fans in a matching low contour housing, for supplying outside air to airtight buildings. These packaged units may be used with matching SBE Exhausters to provide complete power supply and exhaust systems. Also used to offset the exhaust from spray booths or exhaust hoods.

MODEL SRV — The Skyline Relief Ventilator is a matching, low contour gravity or intake vent. Generous hood area provides high inlet to outlet ratios for unhampered gravity flow. This unit is particularly recommended as a low cost, large area outlet for evaporative coolers and SBS Series Supply Fans.

ACCESSORIES

POWER KIT — The Skyline Power Kit is an economical fan assembly for field conversion of the SRV Relief Vent to power. Available in all specifications listed for either exhaust or supply. This packaged assembly can be quickly and easily attached without special tools.

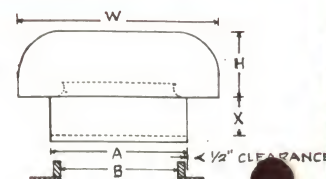
MOUNTING BASE — Heavy galvanized steel adapter base flashing, factory fabricated to precise dimensions, provides leakproof installation and proper clearance on low curbs or pitched roofs. When desired, automatic or motorized drop-in shutters may be mounted in base to provide complete closure. Shutter dimensions on Page 12.

CONSTRUCTION — Fans are designed for easy access to all parts from the roof. The galvanized steel hood is rigidly bolted to the self contained fan assembly. Heavy steel panel with aerodynamically designed orifice provides maximum strength and durability. Fan support arms, bearing and motor mountings are welded to panel to form a rattlefree unit. Entire assembly is attractively finished in gray enamel.

SKYLINE DIMENSIONS

SIZE	A	B INSIDE CURB	H HEIGHT FAN ONLY	W WIDTH	X SEE NOTE
24	30 1/4 x 30 1/4	26 x 26	14 1/2	44	8 1/2
30	36 1/4 x 36 1/4	32 x 32	16 1/2	54	8 1/2
36	42 1/4 x 42 1/4	38 x 38	18 1/2	64	10 1/2
42	48 1/4 x 48 1/4	44 x 44	21 1/2	73	11 1/2
48	54 1/4 x 54 1/4	50 x 50	23 1/2	84	13 1/2

NOTE: Height of mounting base and/or minimum height of curb if provided by others



**FULLY
ACCESSIBLE
FROM ROOF**

VERTIBLOW EXHAUSTER



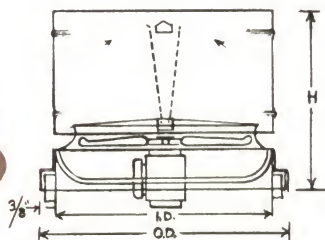
ROMLAIR VERTIBLOW EXHAUSTER

The Romlair Vertiblow Exhauster is a high velocity, high capacity vertical discharge fan for industrial applications where noise levels are not critical. Fumes, dust, smoke and heat are forcibly ejected high into outside air preventing recirculation. Upon starting the fan, the exhaust flow opens the dampers automatically. This air curtain positively prevents the entrance of rain or snow. After the fan is stopped, the dampers close immediately, providing a positive weathertight seal.

FEATURES — Aerodynamically designed rolled steel entrance orifice decreases turbulence and tip losses allowing sparkproof aluminum alloy propeller to operate with maximum efficiency. Straight through exhaust flow assures maximum capacity and minimum resistance. Heavy gauge base provides waterproof installation on framed curb or flat deck. Adaptable to pitched roofs at extra cost. Base, fan assembly and windband easily separable to facilitate handling and installation. Finished in weather resistant gray enamel.

This low silhouette, packaged roof exhauster is manufactured in both direct and belt drive, sizes 24 to 48 inch. Units to 60 inch with capacities to 60,000 CFM are available on special order. Motors on belt drive units are continuous duty open, sleeve bearing with thermal overload protection on single phase to 1 HP. Enclosed motors available to order. Totally enclosed motors are standard on direct drive models.

FEATURES



FREE FLOW
LOW SILHOUETTE
HIGH CAPACITY
RUGGED
CONSTRUCTION
WEATHERPROOF

VBB — VERTIBLOW BELT DRIVE EXHAUSTER										
MODEL NO.	CAPACITY IN CFM †			HP	FAN RPM	TIP SPEED	HOUSING DIM.			
	0" SP	1/8" SP	1/4" SP				CURB ID	CURB OD	HGT.	
VBB-241	5050	4550	3970	1/3	700	4400	30x30	34x34	22	
VBB-242	5800	5370	4890	1/2	795	5000	30x30	34x34	22	
VBB-243	6650	6160	5630	3/4	915	5750	30x30	34x34	22	
VBB-244	7440	7040	6580	1	1020	6550	30x30	34x34	22	
VBB-301	7540	6670	5370	1/2	570	4480	36x36	40x40	25	
VBB-302	8700	7880	6850	3/4	650	5200	36x36	40x40	25	
VBB-303	9600	8850	8000	1	720	5680	36x36	40x40	25	
VBB-304	10800	10200	9290	1 1/2	800	6300	36x36	40x40	25	
VBB-361	12260	10420	8140	1/2	720	6800	42x42	46x46	28	
VBB-362	13880	12180	10250	3/4	820	7730	42x42	46x46	28	
VBB-363	17000	15800	14500	1 1/2	1000	9450	42x42	46x46	28	
VBB-364	18650	17500	16450	2	1095	10850	42x42	46x46	28	
VBB-421	16600	14750	12600	3/4	620	6830	48x48	52x52	31	
VBB-422	18450	16350	13900	1	685	7530	48x48	52x52	31	
VBB-423	23350	21600	19700	2	860	9460	48x48	52x52	31	
VBB-424	26700	25200	23600	3	985	10850	48x48	52x52	31	
VBB-481	21900	18300	14000	1	545	6870	54x54	58x58	34	
VBB-482	25100	22500	19600	1 1/2	625	7900	54x54	58x58	34	
VBB-483	31800	29750	27600	3	790	9950	54x54	58x58	34	
VBB-484	37700	35900	34200	5	935	11750	54x54	58x58	34	

VED — VERTIBLOW DIRECT DRIVE EXHAUSTER										
MODEL NO.	CAPACITY IN CFM †			HP	FAN RPM	TIP SPEED	HOUSING DIM.			
	0" SP	1/8" SP	1/4" SP				CURB ID	CURB OD	HGT.	
VED-241	5250	4990	4750	1/2	1140	7160	30x30	34x34	22	
VED-242	6220	6065	5660	3/4	1140	7160	30x30	34x34	22	
VED-243	7360	7190	6865	1	1140	7160	30x30	34x34	22	
VED-301	7800	6850	5600	1/2	860	6650	36x36	40x40	25	
VED-302	9550	8600	7600	3/4	1140	8950	36x36	40x40	25	
VED-303	10400	9750	8700	1	1140	8950	36x36	40x40	25	
VED-361	14500	13450	11900	1	860	8100	42x42	46x46	28	
VED-362	16300	15200	14100	1 1/2	1140	10750	42x42	46x46	28	
VED-363	19400	18600	17100	3	1140	10750	42x42	46x46	28	
VED-421	16200	14400	12200	3/4	600	6600	48x48	52x52	31	
VED-422	23350	21600	19700	2	860	9460	48x48	52x52	31	
VED-481	24100	21600	18000	1 1/2	600	7550	54x54	58x58	34	
VED-482	34680	33000	31400	5	860	10800	54x54	58x58	34	

† Capacities are based on tests made in accordance with Nema Code FM 1-7.02.

GUARANTEE

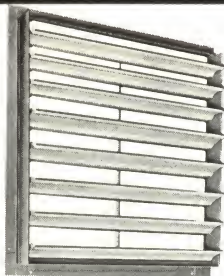
Romlair Power Exhausters, fans and accessory equipment are guaranteed against defective materials and workmanship for a period of one (1) year from date of shipment. Romlair Ventilators are unconditionally guaranteed for a period of three (3) years.

Romla Company agrees to repair or replace at our option F.O.B. factory, without charge to the purchaser, any product or part proving defective within the guarantee period, upon receipt of written notice of the defect. We assume no responsibility or liability for costs incurred in inspecting, removing or installing replacement units or parts.

After three years, Romla Company will replace any worn or damaged parts of Romlair Turbo Ventilators at actual cost. Rust or corrosion to external surface is not included within this extension offer.

PROTECTIVE COATING

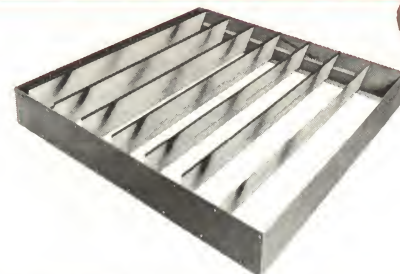
Where corrosive conditions are sufficient to attack basic materials, protection may be obtained from most caustic and acid exposure, through the use of proper coatings. Romla Company can coat any product with suitable materials at moderate prices. Coatings of perma-plate epoxy resin, vinyl, rubber or asphaltic based materials, as specified, are available to order.



WALL SHUTTER



MOTOR - PACK



HORIZONTAL DROP-IN SHUTTER

AUTOMATIC WALL SHUTTER — Romlair Model 556 is a high quality, air actuated wall type shutter for vertical operation. These shutters have been specifically designed for great durability and trouble free service under all weather conditions. Deep, welded steel frame with built-in weatherstrip protects against leakage. Formed, lightweight aluminum louvers, counterbalanced to fully open, have felt sealer strips clinched into outside edge for tighter closure and noise prevention. Heavy zinc coated tie rod provides simultaneous opening and eliminates louver flutter. Bronze bearings at all pivot points assure sensitive, effortless operation.

AUTOMATIC DROP-IN SHUTTER — Romlair Model 611 has a flangeless steel frame, sized and constructed for mounting inside a fan housing or roof curb. These shutters have all of the quality features of the wall shutters, and are spring counterbalanced for horizontal operation, fusible link to release in case of fire is included as an additional feature.

MOTORIZED DROP-IN SHUTTER — Romlair Model 612 is identical to Model 611 with the addition of a stall type motor to hold shutter open when power is on, and spring closed when power is off. Usually connected with fan motor for fully automatic operation. May also be wired with separate or cross over control for shutter operation without fan. Single phase 115 is standard, also available in 230 volt single phase.

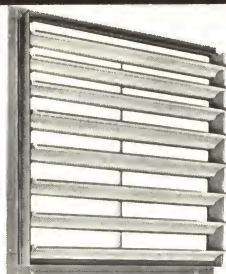
MANUAL DROP-IN SHUTTER — Romlair Model 621 is a fully automatic drop in type shutter with a by-pass chain control to provide for manual opening without interference with automatic operation.

MOTOR - PACK — Motor operator now available as a separate item for installation on standard shutters for motorized operation. Available in same voltages as the Model 612.

SHUTTER DIMENSIONS																	
WALL MODEL 556	SIZE	10	12	14	16	18	20	24	30	36	42	48	54*				
	OVERALL DIMENSION	13 ¼	15 ¼	17 ¼	19 ¼	21 ¼	23 ¼	27 ¼	33 ¼	39 ¼	45 ¼	51 ¼	57 ¼				
	OPENING SIZE	10	12	14	16	18	20	24	30	36	42	48	54				
DROP IN MODELS 611 621 612	SIZE	12	14	16	18	20	24	26	30	32	36	38	42*	44	48*	50	54*
	OVERALL DIMENSIONS	11 ⅞	13 ⅞	15 ⅞	17 ⅞	19 ⅞	23 ⅞	25 ⅞	29 ⅞	31 ⅞	35 ⅞	37 ⅞	41 ⅞	43 ⅞	47 ⅞	49 ⅞	53 ⅞
	OPERATING SPACE	ALL SIZES 4 ½															
	OPERATING SPACE FOR MOTOR	ALL SIZES 8"															
*NON-STANDARD SIZES — SET UP CHARGE MUST BE ADDED ON EACH ORDER																	

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WALL SHUTTER

AUTOMATIC WALL SHUTTERS

quality, air actuated wall shutters have been specified for free service under all weather conditions. Built-in weatherstrip protection, counterbalanced louvers, counterbalanced into outside edge for tight closure. Coated tie rod provides simultaneous operation. Bronze bearings at all pivot points.

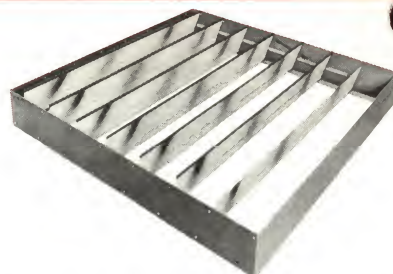
AUTOMATIC DROP-IN SHUTTERS

flangeless steel frame, sized to fit housing or roof curb. The wall shutters, and are a fusible link to release in case of fire.

WALL SHUTTER MODELS	
MODEL 556	C/DIA/O
DROP IN SHUTTER MODELS	
611	OF
621	OF
612	OF SP



MOTOR - PACK



HORIZONTAL DROP-IN SHUTTER

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Model 612 is identical to Model 621. Shutter power is off. Usually operation without 10 volt single phase.

Model 621 is a fully automatic control to provide automatic operation.

as a separate item operation. Available

8	54*
1/4	57 1/4
8	54
50	54*
49 1/2	53 1/2

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